

1. Record Nr.	UNINA9910139898103321
Titolo	Plant phenolics and human health [[electronic resource]] : biochemistry, nutrition, and pharmacology // edited, Cesar G. Fraga
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2009
ISBN	1-282-34833-7 9786612348334 0-470-53179-7 0-470-53178-9
Descrizione fisica	1 online resource (609 p.)
Collana	The Wiley-IUBMB Series on Biochemistry and Molecular Biology ; ; v.1
Altri autori (Persone)	FragaCesar G
Disciplina	547.632 547/.632
Soggetti	Phenols - Physiological effect Flavonoids - Physiological effect Phytochemicals - Physiological effect Nutrition
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	PLANT PHENOLICS AND HUMAN HEALTH; CONTENTS; PREFACE; CONTRIBUTORS; 1 Dietary Flavonoids and Phenolic Compounds; 2 Bioavailability of Flavanols and Phenolic Acids; 3 Biochemical Actions of Plant Phenolics Compounds: Thermodynamic and Kinetic Aspects; 4 Flavonoids-Membrane Interactions: Consequences for Biological Actions; 5 The Biochemistry Behind the Potential Cardiovascular Protection by Dietary Flavonoids; 6 Dietary Flavanols: Biochemical Basis of Short-Term and Longer-Term Vascular Responses; 7 Green Tea Catechins: Anticancer Effects and Molecular Targets 8 Flavonols: Metabolism, Bioavailability, and Health Impacts9 Flavonols: Biochemistry Behind Cardiovascular Effects; 10 Metabolism, Bioavailability, and Analysis of Dietary Isoflavones; 11 Phytoestrogens Up-regulate Antioxidant Genes; 12 Dietary Isoflavones: Cardiovascular Actions and Activation of Cellular Signalling Pathways; 13 Bioavailability and Metabolism of Resveratrol; 14 Resveratrol: Biochemistry and Functions; 15 Resveratrol: The Biochemistry Behind its Anticancer

Effects; 16 Curcumin: The Biochemistry Behind Its Anticancer Effects
17 Plant Phenolic Compounds: Modulation of Cytoprotective Enzymes
and Nrf2/ARE Signaling18 Phenolics in Aging and Neurodegenerative
Disorders; 19 Natural Phenolics and Metal Metabolism in
Neurodegenerative Diseases; 20 Epidemiology behind Fruit and
Vegetable Consumption and Cancer Risk with Focus on Flavonoids; 21
Phenylpropanoid Metabolism in Plants: Biochemistry, Functional
Biology, and Metabolic Engineering; INDEX

Sommario/riassunto

A collection of current knowledge of phytochemicals and health Interest in phenolic phytochemicals has increased as scientific studies indicate these compounds exhibit potential health benefits. With contributions from world leaders in this research area, Plant Phenolics and Human Health: Biochemistry, Nutrition, and Pharmacology offers an essential survey of the current knowledge on the capacity of specific micronutrients present in ordinary diets to fight disease. The coverage in this resource: Explains the presence and biochemical properties of phenolics present
